

# ABSTRACT OF THE DISCLOSURE

In a data compression system for compressing an original time series data with a various waveform, a compression unit  
5 compresses the original time series data without damaging characteristics of waveform information in the various waveform. The waveform information includes a signal with a various change, especially, a sudden change of signal. An encoding unit encodes the compressed time series data so as to generate a compression  
10 code.